IN THE CLAIMS

Cancel claims 1 - 18 as filed, and insert therefore new claims 19 - 36 as follows:

- - What is claimed is:

19. A method for computer-aided determination of movement underlying a digitized image, the digitized image containing pixels grouped into image blocks each image block being situated in a respective prescribed region of the digitized image, the method comprising the steps of:

conducting a movement estimation for each image block;

determining a movement vector for assignment to a respective image block;

selecting a movement vector for each respective image block;

determining parameters of a movement model from the selected movement vector; and

describing the movement of the digitized image by the determined movement model.

20. The method of claim 19, further comprising the step of:

forming the prescribed region by creating image blocks which are situated at a prescribed first distance from an edge of the digitized image.

21. The method of claim 20, further comprising the step of:

forming the prescribed region by creating image blocks which are situated at a prescribed second distance from the middle of the digitized image.

22. The method of claim 21, further comprising the step of: varying the prescribed region iteratively.

23. The method of claim 22 further comprising the step of: performing the movement estimation by a blockwise comparison of the image blocks with an image block in a temporally preceding image which, inside a search space of prescribed shape and size, is displaced by a prescribed value relative to the image block in the digitized image.

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24. The method of claim 23, wherein the determined movement is compensated.

25. The method of claim 24, wherein the digitized image is captured by a mobile video device.

26. The method of claim 25, wherein the mobile video device is a camera.

27. The method of claim 26, wherein the mobile video device is a mobile communication system including a camera.

28. A system for determining movement underlying a digitized image made up of a plurality of pixels, the system comprising a processor capable of grouping the pixels into image blocks; calculating a movement estimation for each image block and determining a movement vector for each image block; assigning a movement vector to the respective image block; selecting movement vectors for assignment to a respective image block situated in a prescribed region of the digitized image; and determining parameters of a movement

model from the selected movement vectors, whereby movement of the digitized image is described by the determined movement model.

29. The system according to claim 28, wherein the prescribed region is formed by image blocks situated at a prescribed first distance from an edge of the digitized image.

30. The system according to claim 29, wherein the prescribed region is formed by image blocks situated at a prescribed second distance from the middle of the digitized image.

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31. The system according to claim 30, wherein the prescribed region is varied iteratively.

32. The system according to claim 31, wherein the movement estimation is performed by a blockwise comparison of the image block with an image block in a temporally preceding image which, inside a search space of prescribed shape and size, is displaced by a prescribed value relative to the image block in the digitized image.

33. The system according to claim 32, wherein the determined movement is compensated.

34. The system according to claim 33, further comprising a mobile device.

35. The system according to claim 34, further comprising a camera.

36. The system according to claim 35, further comprising a mobile communication unit including a camera. - -